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AUTHOR Cunningham, Michael C., Comp.; Cunningham, Cheryl Bond, Comp.

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ABSTRACT

The intent of this bibliography is to provide resources for the secondary school teacher concerning (1) substantive information about the environment and (2) means and methods of communicating that information in the classroom. It deals primarily with the man-made environment rather than with environmental resources and has an urban bias - not one of conservation. The bibliography is organized into six parts: Bibliographies, Agencies and Organizations, Journals, Environment, Environmental Education, and Materials. Part I, Bibliographies, includes related collections in specific areas as films, conservation, and science. Part II, Agencies and Organizations, lists names and addresses of groups providing extensive materials about the environment and environmental education. Part III, Journals, enumerates publications with a major emphasis on the environment. Part IV, Environment, is subdivided into general, urban environment, population, and environmental resources - food and pesticides, air, water, noise, and energy. Part V, Environmental Education, separates general, environmental quality and aesthetics, perception, curricula and programs, and techniques. Part VI, Materials, contains entries aimed toward secondary school students and includes literature, films and filmstrips, games, and posters. (BL)

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A Selected Bibliography on
The Relevance of Environmental Education
To Secondary School Curricula

Compiled By

Michael C. Cunningham
Assistant Professor of Urban Design
Virginia Polytechnic Institute and State University

and
Cheryl Bond Cunningham

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INTRODUCTION

The intention of this bibliography is to provide resources for the teacher of secondary school at several levels: 1. substantive information concerning the environment, and 2. means and methods of communicating that information in the classroom.

The bibliography deals primarily with the man-made environment rather than with environmental resources. An urban bias is intended—not one of conservation. The bibliography is selected, not exhaustive or comprehensive. Due to time constraints and the unavailability of some materials, not all entries are annotated and some lack complete bibliographic information.

Such entries are included when they were thought to be of significant value. Entries are numbered but not cross-referenced.

The bibliography is organized into six parts: Bibliographies, Agencies and Organizations, Journals, Environment, Environmental Education, and Materials.

Part I, Bibliographies, is for those who desire to look at related collections in more specific areas, for example, films, conservation and science. Part II, Agencies and Organizations, lists names and addresses of groups which can provide extensive materials about the environment or environmental education. Part III, Journals, enumerates many publications, the emphases of which are the environment. Nearly all magazines currently devote some attention to environmental problems. Part IV, ~~Environment~~, is subdivided into sections: General, Urban Environment, Population, Environmental Resources. Section A, General, deals with a wide range of environmental topics and provides essential

concepts about the environment. Section B, Urban Environment, is concerned with environmental problems in an urban setting, including aesthetic and perceptual considerations as well as physical and sociological ones. Section C, Population, attempts to give an overview of environmental problems brought about by crowded and overpopulated conditions. Section D, Environmental Resources, is directed to a more scientific bent, and included sources concerned with more familiar problems of pollution and conservation. Some attempt has been made to keep these entries as unspecialized as possible.

Part V, Environmental Education, is divided into the following sections: General, Environmental Quality and Aesthetics, Perception, Curricula and Programs, and Techniques. Entries included in Section A, General, provide a rationale for the inclusion of environmental concepts into educational programs. Section B, Environmental Quality and Aesthetics, is directed mainly to qualitative and quantitative standards of the urban environment. Section C, Perception, provides some basic concepts of environmental stimuli and meaning and visual literacy. Section D, Curricula and Programs, includes entries which describe existing and developing plans for introducing concepts of the environment into the schools. Section E, Techniques, contains entries which suggests methods of introducing the environment into the curriculum. (See also Part II, Agencies and Organizations). Techniques included tend to be those relatively recently researched and developed. A number of the entries are unpublished dissertations, and many deal with gaming techniques.

Part VI, Materials, are entries selected with secondary students in mind. Section A, Literature, is included to provide a direction for

the teacher rather than an exhaustive or limited list of literary materials. Few, if any, pieces of literature escape the effect of the environment. The literature used in the classroom need not be changed or supplemented; rather, the viewpoint or conceptual base in approaching the literature may be extended to include aspects of the environment which heretofore may have gone neglected.

Part VI, B, Films and Filmstrips, has been selected with a Junior-Senior high school viewer in mind. The list of films is followed by names and addresses of appropriate suppliers. Part VI, Section C, Games, has been included firstly, because of the recent popularity of their use in educational settings, and secondly, because so many of the games relate to the environment.

While this bibliography does not include reference to the vast quantity of contemporary music which deals with environmental issues, the reader is referred to a study which is being conducted with regard to popular music and the urban environment, by students and faculty of the College of Architecture, under the direction of Professor Michael C. Cunningham.

PART I -----BIBLIOGRAPHIES

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9. National Education Association. Environmental Education for Everyone - Bibliography of Curriculum Materials for Environmental Studies. Washington, D.C.: National Education Association. 1970. This is a 36-page comprehensive bibliography including programs in environmental education, curriculum guides, textbooks, experiments, and enrichment readings, periodical listings, film strips, film lists, and other invaluable materials for environmental studies. Stock No. 471-14600. 15¢ each.
10. Otterson, Signe Ruh. "Readings on Natural Beauty: A Selected Bibliography." U.S. Dept. of the Interior Library, Bibliography No. 1, 1967.

PART II ----- AGENCIES AND ORGANIZATIONS

11. American Institute of Architects, Committee on Public Education, COPE, The Octagon, 1735 New York Avenue, NW, Washington, D.C. 20006. The Committee has produced the publication "Environmental Education, 1970," which relies heavily on architectural and aesthetic projects.
12. CEMREL: Central Midwestern Regional Educational Laboratory. Public Information Officer, 10646 St. Charles Road, St. Ann, Missouri 63074. Materials for the CEMREL program are being tested and should soon be available. These include a handbook, a thesarus of aesthetic activities, a curriculum developer's handbook, concept cards, and activity cards.
13. Citizens for Clean Air, 598 Madison Avenue, New York, New York 10022. Offer suggestions about what communities can do to combat pollution. Free.
14. Committee for Environmental Education, 438 N. Skinker Boulevard, St. Louis, Missouri 63130. An index of the Committee's publications is obtainable free.
15. Conservation and Environmental Studies Center, Inc., Box 2230, R.D.2, Browns Mills, New Jersey 08015. Inexpensive materials for all levels of interest - parent, school board, teacher. Instruction Plans on 24 topics, and Multi-disciplinary Packages are also available.
16. Conservation Education Association, c/o Dr. W. F. Clark, Eastern Montana College, Billings, Montana 59101. Publishes a newsletter, bibliography, reports and other educational material.
17. Conservation Foundation, 1250 Connecticut Avenue, Washington, D.C. 20036. Offers a pamphlet called "Concepts of Conservation" for 50¢.
18. Consumer Protection and Environmental Health Service. U.S. Dept. of Health, Education & Welfare, (Regional Office), 220 Seventh Street, NE, Charlottesville, Virginia 22901. Produces pamphlets and reprints.
19. Environmental Science Center, 5400 Glenwood Avenue, Minneapolis, Minnesota 55422. Will provide a list of paperbacks or otherwise inexpensive volumes on environment and conservation, a list of available curriculum materials and teaching units, and environmental lessons, (elementary level).
20. Environmental Study Area Program (ESA), U.S. Department of the Interior, National Park Service, Washington, D.C. 20240. The Park Service has developed a program utilizing parks as study guides, for example, in the Washington, D.C. area. Information is available.
21. Group for Environmental Education (GEE), 1214 Arch Street, Philadelphia, Pennsylvania 19107. Publishes educational materials which are available on a complimentary basis to educational institutions. The program developed by GEE ranges from K - 12. Primarily social studies, art, and English teachers have been involved in most of the programs experimental development.
22. Izaak Walton League of America, 1130 5th Avenue, New York, New York 10028. Offers a list of recommended books on conservation for grades 1 - 12.

23. National Audubon Society, 1130 Fifth Avenue, New York, New York 10028. A number of publications are available including "Audubon Nature Bulletin, #2: Fourteen Good Teaching Aids". Covers a wide range of subjects and activities.
24. National Parks Association, 1701 18th Street NW, Washington, D.C. 20036. The Association produces free and low cost pamphlets, articles on pollution and basic ecology. Excellent.
25. National Wildlife Federation, 1412 16th Street NW, Washington, D.C. 20036. The Federation produces a "Conservation Directory", a guide to all state and national sources of conservation and environment information for \$1.50. They also produce informational packets on ecology for elementary through adult.
26. Planned Parenthood—World Population, 151 Madison Avenue, New York, New York 10022. Offers inexpensive pamphlets of the people problem and a film guide.
27. Population Reference Bureau, 1955 Massachusetts Avenue, NW, Washington, D.C. 20036. Good bibliography, source list, and film guide on population, at minimal costs.
28. Sierra Club, Mills Tower, San Francisco, California 94104. The Club furnishes a list of publications, pollution and population information and is dedicated to the protection of scenic areas.
29. U.S. Department of Commerce. Environmental Control Administration, Consumer Protection and Environmental Health Service, 200 C Street, NW, Washington, D.C. 20204. Serves to preserve and improve the physical environment.
30. U.S. Department of Commerce. Environmental Science Services Administration. Office of Public Information, 6010 Executive Building, Rockville, Maryland 20852. Consists of five major components which conduct studies, promote conservation and sponsors programs.
31. U.S. Department of Health, Education and Welfare, Office of Education, 400 Maryland Avenue, SW, Washington, D. C. 20202. Administers programs which support and improve education, including curriculum development, assistance to conservation education organizations.

JOURNALS

32. Daedalus. Published by: American Academy of Arts and Sciences, 280 Newton Street, Brooklyn Station, Boston, Mass. 02146. \$7.50 annually. Four issues a year, each usually considering a single topic in depth. For example: Winter 1961, "The Future Metropolis"; Fall, 1967, "America's Changing Environment"; Fall, 1968, "The Conscience of the City."
33. Education and Urban Society. Quarterly publication by: Sage Publications, 2755 Beverly Drive, Beverly Hills, California 90212.
34. Environment. Published 10 times a year by: Committee for Environmental Information, 438 N. Skinker Boulevard, St. Louis, Missouri 63130. Annual subscription \$8.50. Deals with pollution and misuse of the environment through technology.

35. Environment and Behavior. Published by: Sage Publication, 275 S. Beverly Drive, Beverley Hills, California 90212. An interdisciplinary journal issued two or three times a year. Deals mainly with perception and evaluation of man's physical environment. \$7.00 annually to individuals, \$10.00 to institutions.
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39. Journal of Social Issues. Published quarterly by: Society for Psychological Study of Social Issues. c/o Edwards Brothers, 2500 S. State Street, Ann Arbor, Michigan 48104. Organized around a single them topic, for example, Vol. 24(1) Jan, 1968: Values, attitudes and Behavior in Social Science and Society. Subscription: Organization and university, \$9.00; Individual, \$7.00; Single \$2.00.
40. National Wildlife. Published bi-monthly by: National Wildlife Federation, 1412 16th Street, N.W., Washington, D.C. 20036. A strong emphasis on conservation; includes an "EQ Critical List," which describes crisis problems needing immediate attention.
41. Scientific American. Published monthly at: 415 Madison Avenue, New York, New York 10017. Annual subscription \$10.00. Many fine articles; for example, the issue 223(3): September 1970 contains eleven articles on the biosphere including water, food, oxygen.
42. Sierra Club Bulletin. Published monthly by: Sierra Club, 1050 Mills Tower, San Francisco, California 94014. Free to members, \$5.00 annually to non-members. General articles on environmental problems with wonderful photographs.
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533. Owings, Nathaniel. American Aesthetic. New York: Harper, 1969. Looks at past mistakes in controlling environment. Suggests action for future. Many photographs.
534. Odum, Eugene P. Ecology. New York: Holt, Rinehart & Winston, Inc., 1963.
535. Paddock, W. Famine 1975. Boston: Little, Brown, 1968.
536. Packard, Vance. The Waste Makers. New York: David McKay Co., Inc., 1960.
537. Population Reference Bureau. This Crowded World. Washington, D.C.: Columbia Books, 1970. To: 424 Southern Building, N.W., Washington, D.C. 20005. (grades 4-6) \$2.00.
538. Population Reference Bureau. People. Washington, D.C.: Columbia Books, 1970. Address: 424 Southern Building, N.W., Washington, D.C. 20005. (grades 7-9. \$1.50.)
539. Population Reference Bureau. The World Population Dilemma. Washington, D.C.: Columbia Books, 1970. Address: 424 Southern Building, N.W., Washington, D.C. 20005 (grades 10-12).
540. Porter, E. In Wildness is the Preservation of the World. New York: Sierra Club-Ballantine, 1967. Selections from H. D. Thoreau.
541. Pringle, Laurence. The Only Earth We Have. New York: Macmillan, 1969. Focuses on problems of water and air pollution brought about by 20th century technology. Photographs.
542. Rasmussen, Steen Eiler. Towns & Buildings. Cambridge: Harvard University Press, 1951. Visual principles of city organization. Non-American examples. \$4.25.
543. Richards, Brian. New Movement in Cities. New York: Reinhold, 1966. Discusses movement and transport of people within the city. \$2.75.
544. Rienow, Leona and Robert Rienow. Moment in the Sun. New York: Ballantine Books, Inc., 1969. A handbook on environmental pollution.
545. Rudofsky, Bernard. Streets Are for People. Garden City, New York: Doubleday, 1969. Role of the street in the community. Discusses the street as the lifeline of urban civilization. Illustrated. \$14.95.

546. Schlivek, Louis B. Man In Metropolis. Garden City, New York: Doubleday., 1965. A non-fiction book about fifteen individuals and how they interact with their environment. Each person relates to the city from a different social and economic position. \$7.50.
547. Schwartz, Alvin. Old Cities and Towns. New York: Dutton, 1968. Historical view of city planning.
548. Scientific American. Cities. New York: Knopf, 1965. A Collection of papers heralding the opening of a new phase in human evolution--urbanization and the megalopolis. Final chapter on humanizing the city. \$2.45 paperback.
549. Smith, Herbert H. Citizen's Guides to Zoning, Planning and Urban Renewal. Chandler-Davis, 1969. Explains difficult concepts in laymen's terms.
550. Speiregen, Paul D. Urban Design: The Architecture of Towns and Cities. New York: McGraw Hill, 1965. An aesthetic reflection of man's interaction with nature in America. \$12.50. 8-12.
551. Spencer, J. E. and William L. Thomas. Cultural Geography. New York: Wiley, 1969. Written as a text. A basis for study of man and society and their effect on the earth.
552. Steward, George R. Names on the Land. Boston: Houghton-Mifflin Co., 1958. Non-fiction, historical account of place-naming in the U.S.
553. Stewart, George R. Not So Rich as ~~They~~ Think. Boston: Houghton-Mifflin Co., 1967. Light discussion of refuse and refuse disposal.
554. Stewart, George R. ...Storm. New York: Random House, 1941. A novel which considers the environment and human ecology.
555. Sutton, James. Signs in Action. New York: Reinhold, Pictures of signs, and a discussion of their functions as a medium. \$2.25.
556. Taylor, Joshua C. Learning to Look: A Handbook for the Visual Arts. Chicago: Phoenix Books, University of Chicago, 1963. Initially designed as a guide book for the art portion of a humanities course.
557. Thomsen, William F. Media & Communication. New York: Harcourt Brace Jovanovich, 1972. Perception and environment are two of several relative aspects explored in this textbook. Thought-provoking questions and exercises.
558. Thoreau, Henry David. The Portable Thoreau, ed. Carl Bode. Rev. ed. New York: Viking Press, 1947.
559. Thoreau, Henry David. Walden: or, Life in the Woods. New York: Apollo Editions, 1955.
560. Tunnard, Christopher. City of Man. New York: Scribner's, 1953. Traditions which have formed our cities, and the human qualities which next need to be brought forth. A possible text with the aid of supplementary visual material.

561. Udall, Stuart. Quiet Crisis. New York: Holt, Rinehart & Winston, Inc., 1963.
562. U. S. Government Printing Office. Superintendent of Documents. No Laughing Matter. Washington, D.C.: U.S. Government Printing Office, 1970. A book of syndicated cartoons on air and water pollution. \$.70.
563. Vogel, Ray. The Other City. New York: David White, 1969. Four teenage boys explore their part of the city with their own photographs and words. All ages.
564. White, E. B. Here is New York. New York: Harper & Row, n.d.
565. Whole Earth Catalogue. Portola Institute, Inc. The Catalogue functions as an evaluation and access device and lists books or items that are useful as tools relevant to independent education. It is indispensable as a tool for procuring current information. \$4.00.
566. Zevi, Bruno. Architecture As Space: How to Look at Architecture. New York: Horizon, 1957. Reality of a building not in its roof and walls, but rather in the space they enclose. \$10.00.

PART VI ---- MATERIALS. B. FILMS AND FILMSTRIPS

567. "Applied Ecology." McGraw-Hill. 28 min. 1961. Use and misuse of the soil. Describes measures designed to reduce waste. Rental \$12.85.
568. "The Art of Seeing." Warren Schloat, 6 filmstrips, color, sound. These filmstrips explore the vocabulary of the visual.
569. "Big City--1980". Carousel Films. n.d. 55 min. b/w. Prediction that the U.S. will be 95% urban by 1980. Rental \$14.60.
570. "Big City--U.S.A." Eye Gate House, Inc. 1960. Filmstrip. Eight filmstrips which depict life in a big city. Others are: "Housing in Big City", "Food for Big City", and "Big City Workers".
571. "The Changing City". Churchill Films, 1963. 16 minute color. Describes the economic, social and cultural advantages of the city that have caused its enormous growth; contrasts the advantages of new suburban homes with some of the serious problems raised by their proliferation.
572. "Cities in Crisis: What's Happening?" Universal Education and Visual Arts. 1968. 21 minute color. An impression, without words of a large American city allows the viewer to identify urban problems and prompts him to consider solutions.
573. "Cities of the Future." McGraw-Hill. 1967. 25 minutes. color. Suggests possible solutions to problems through examples which include Reston, Virginia. Rental \$9.35.
574. "City and Suburb--Crisis and Opportunity". Current Affairs Films.
575. "City by Design". John C. McComb. 27 minutes. color. An Alcoa Project.

576. "The City and the Future." Sterling Educational Films.
577. "The City, Cars or People". Sterling Educational Films. 1963; 30 minutes. Black and white. Study of transportation in New York, Paris and Rotterdam. Rental \$6.00.
578. "The City Community". Encyclopedia Britannica Films, Inc. 1950. Set of films which show aspects of life in the city. Included are: "Future of Our Town", "Living in the City", "Here is the City", "How Our Town Grew", "Problems of the City", and "Keeping the City Alive".
579. "The City: Heaven and Hell". Sterling Educational Films. 1963; 30 minutes; black and white. International views and reviews of the city.
580. "City in Trouble". Stuart Finley, Inc. 1960. 20 minutes; color. The city is Washington, D.C.--its problems and attempts at planning.
581. "A City is Many Things". Churchill Films. 5 filmstrips. Color. Silent. Portrays an urban child's introduction to his environment.
582. "City of James Joyce". 10 minutes; black and white. Influence of the urban environment of Dublin on the writing of Ulysses. Suggest forces in Irish life which influenced the author.
583. "A City Reborn". Sterling Movies, Inc. 1966, 21 minutes; color. A chronological view of the problem of the mall in California, past, present, and future.
584. "City Scene". National Film Board of Canada. 30 minutes; black and white. A comparison of international city squares.
585. Conservation for Today's America Series. Soil Conservation Today, Water Conservation Today, Forest Conservation Today, Wildlife Conservation Today, Mineral Conservation Today, Urban Conservation Today, Land Conservation Today, and Society for Visual Education.
586. Conservation in the City. Part I: Underfoot 11501; Part II: Eye Level 11502; Part III: Overhead 11503. Encyclopedia Britannica.
587. "A Different Kind of Neighborhood". Universal Education. Color; 21 minutes. Problems of urban renewal, importance of city planning and how they affect the population.
588. Ecology and Man Series Set I. McGraw-Hill. Introduction to Ecology 613376, Changes in Ecosystems 613377, Energy Relationships 013378, Habitates and Niches 613379, Populations and Biomass 013380.
589. Ecology and Man Series Set 2. McGraw-Hill. The Forest Biome Part 1 67-2827, The Forest Biome Part 2 67-2828, The Grassland Biome 66-3410, The Desert Biome 67-2824, Fresh Water Ecology 67-2829, Seacoast Ecology 66-3420.
590. Ecology and Man Series Set 3. McGraw-Hill. Man-Managed Ecosystems 66-3416, The Management of Soil 66-3417, The Management of Water 66-3418, The Ecology of Farming 67-2825, Competitive Land Uses 67-2823, Human Ecology 66-3413.

591. "Ecology of Man". Graphic Curriculum, Inc. n.d. 30 minutes; color. Discussion of man's need to learn an ethical attitude toward nature in order that his descendents may survive. Rental \$7.70.
592. "Exhibition in Moscow". Herman Miller, Zeeland, Mich. 1959. 55 minutes; color. No charge. Despite this film being 11 years old, it is an excellent, detailed, and beautifully photographed portrait of Moscow.
593. "Green City". Stuart Finley Films. 1963. 23 minutes; color. Stress is on conservation of natural beauty by city planners.
594. "The Heart of a City". Sterling Educational Films. 1963; 30 minutes; black and white. Historical and philosophical evaluation of the city.
595. "House of Man - Our Changing Environment". Encyclopedia Britannica Films. 17 minutes; color.
596. "Housing & Nature". Tribute Films, Embassy of Finland. 1966. 24 minutes; color. Sensitive survey of urban problems in Helsinki.
597. "How to Live in a City." National Educational Television. 1964. 30 minutes; black and white. Are monotonous architectural ideas making conformists out of city dwellers. \$5.00
598. "How to Look At a City". N.E.T. Film Service. 1964; 30 minutes; black and white. One of the eight-part "Metropolis, Creator or Destroyer?" series. Filmed against the bustling background of New York City's tenements. Rental \$5.00
599. Interdependence of Living Things. McGraw-Hill. Introduction to Ecology 61-3356, The Web of Life 61-3359, Animal and Plant Communities: Forest 61-3360, Animal and Plant Communities: Field 61-3357, Animal and Plant Communities: Pond 61-3358, Animal and Plant Communities: City 61-2990.
600. "John K. Galbraith: The Idea of the City". University at Large; sound, 28 minutes; color. Galbraith discusses the "new organic concept of the modern city."
601. "The Language of Cities: Visual Aid Supplement". SEE: Hosken, Franziska.
602. "Later Perhaps". New Jersey State Council for Environmental Education.
603. Living Things in the City. Encyclopedia Britannica. Finding Living Things in the City 11721, Plants and Animals in a Vacant Lot 11722, Flowering Plants in the City 11723, City Plants Without Flowers 11724, Helpful and Harmful Plants of the City 11725, Collecting Plants in the City 11726, How Insects Find a Place to Live 11727, How Animals Grow in the City 11728, Helpful and Harmful Animals of the City 11729.
604. "Man in a Hostile Environment". Current Affairs Films.
605. "Man-Made World". International Film Bureau. Color, with booklets, film-strip. Includes: "Environment", "Man & Machine", "Who Cares", and "Change is Normal".

606. "Marshall McLuhan: Picnic in Space". University at Large; sound; 28 minutes; color. McLuhan examines concepts of space--interior space, visual space, outer space, and auditory space.
607. "Megalopolis - Cradle of the Future". Encyclopedia Britannica Films. 1962; 20 minutes. A factual statement of the problems of the city dweller and the necessity for planning.
608. "Myths and the Parallels." Association Films.
609. "New Earth". Ivens Joris. 1944. 22 minutes. Ten-year reclamation project in which sections of the Zuider Zee in Holland were filled in to create new land.
610. "No Time for Ugliness". American Institute of Architects. 1965; 24 minutes; color. Explores the way in which the population explosion and indiscriminate construction have defaced the landscape. Clearly indicates how environments can be improved and encourages changes at local levels.
611. "Noise: New Pollutant". Extension Media Center. 30 minutes; black and white. Reports on research into harmful effects of noise on human beings.
612. "Open Space, Going...Going...". Modern Talking Picture Service. HUD Produced. 1969. 28 minutes; color; no charge. Illustrates urgent need for acquiring open spaces in rapidly growing areas, new ones in inner-cities and suburbs.
613. "Our Changing Environment." Encyclopedia Britannica Films. 17 minutes; color. Man's increasing power to control his environment has created new pressures and problems for the modern city.
614. "Pandora's Easy Open Pop-Top Box". Environmental Control Administration. 15 minutes; color. Free. A dramatic presentation of the effects of uncontrolled urbanization.
615. "People by the Billions". McGraw-Hill. 1961. 28 minutes; black and white. Implications of the population explosion are explored.
616. "A Plague on Your Children". BBC. 72 minutes; black and white.
617. "The Poisoned Air". Extension Media Center. 50 minutes; black and white.
618. "Pollution". Astrafilms, Inc., National Medical Audio Visual Center. 1968. 4 minutes; color. Tom Lehrer sings satirical lyrics while camera scans nauseating scenes of filth, garbage, smoke, dirty water and industrial waste. A memorably effective message.
619. "R. Buckminster Fuller: Primer of the Universe". University at Large. Sound, 28 minutes, color. Fuller presents his theories of the universe.
620. "Right of Way". Sterling Movies. 1968. 13 1/2 minutes; color. Shows how highways can ruin cities and how through good design and relation to other elements in the urban fabric, highways can be employed to improve urban environment.

621. "River - An Allegory." Montclair State College.
622. "Silent Spring of Rachel Carson". Audio-Visual Center, Indiana University. 54 minutes; black and white. Presents a wide range of opinion concerning pesticides. Cost unknown.
623. "Suburban Living". National Film Board of Canada. 1960. 58 minutes. Comparison of experimental, non-luxury housing developments in foreign cities.
624. "Survival in a Polluted Environment". Current Affairs Film.
625. "Tom Lehrer Sings Pollution". Public Health Service. 3 minutes; black and white. Free. This service has many heavily subscribed air pollution films.
626. "24th and Tomorrow". Frederick Martin, ACI. 22 minutes. Story of a one-man crusade against the decay of his neighborhood is given dramatic documentation. The story leads to the formation of a Neighborhood Improvement Association.
627. "Urbanissimo". Contemporary/McGraw. 8 minutes; color. Humorous commentary on the modern urban civilization.
628. "Why Man Creates". Modern Talking Picture Service. 1968; 25 minutes; color.
629. "The Window". National Audubon Society.
630. "Year 1999 A.D.". Ford Motor Company. 1968. 27 minutes; color. A look at the city of the future where life is simplified and regulated by the computer. Rental \$3.50. Available from AV Extension Service, University of Minnesota.

FILMS AND FILMSTRIPS - SOURCES

ACI Productions
16 W. 46th Street
New York, New York 10036

American Institute of Architects
The Octagon
1735 New York Avenue, N.W.
Washington, D.C. 20006

Association Films
600 Grand Avenue
Ridgefield, New Jersey 07657

British Broadcasting Company
Peter M. Robeck
230 Park Avenue
New York, New York 10017

Churchill Films
662 N. Robertson Boulevard
Los Angeles, California 90069

Contemporary Films
267 W. 25th Street
New York, New York 10001

Current Affairs Films
Division of Key Productions
527 Madison Avenue
New York, New York 10022

Encyclopedia Britannica Films
38 W. 32nd Street
New York, New York 10001

Environmental Control Administration
12720 Twinbrook Parkway
Rockville, Maryland 20852
Attention: Tom Edgar

Extension Media Center
University of California
Berkeley, California 94720

George C. Stoney Associates
Brook Studios
Brookhaven, New York 11719

International Film Bureau
332 S. Michigan Avenue
Chicago, Illinois 60604

John C. McComb
Century City
Los Angeles, California

Kaiser Corporation
Kaiser Center
Oakland, California

Modern Talking Picture Service
Sponser Desk
1212 6th Avenue
New York, New York 10036

Montclair State College
Audio Visual Department
Upper Montclair, New Jersey

National Audubon Society
Photo and Film Department
1130 Fifth Avenue
New York, New York 10028

National Educational Television Film Service
Indiana University
Bloomington, Indiana 47405

New Jersey State Council for Environmental Education
345 Route 46
Mountain Lakes, New Jersey 07046

Public Health Service
Audio-Visual Facility
Atlanta, Georgia 30333

Society for Visual Education
1345 Diversey Parkway
Chicago, Illinois 60614

Sterling Educational Films
43 W. 61st Street
New York, New York 10023

Stuart Finley, Inc.
3428 Mansfield Road
Falls Church, Virginia 22401

Tribute Films, Inc.
32 W. 32nd Street
New York, New York 11719

Universal Education & Visual Arts
221 Park Avenue
New York, New York 10003

University at Large
Chelsea House
70 W. 40th Street
New York, New York

PART VI ---- MATERIALS.

C. GAMES.

631. "Blacks & Whites". Psychology Today Game. \$6.95. Developed by Pat Sommer, Judy Tirt. Racial aspects of real estate market.
632. "The Cities Game". A Psychology Today Game. \$6.95.
633. "Confrontation: Game of Students and Protesters vs. the Establishment." Gini Scott. The student protest movement. Available from John N. Harsen Co., 369 Adrian Road, Millbrae, California. \$6.00
634. Freedman, Dorothy and Geraldine Richelson. The City Book. New York: Harlin Quist, Inc. Collection of puzzles, games, stones, riddles, designed to make children aware of their city. \$1.95
635. "Mulberry". Dr. Dorothy Dodge and Jimmie Powell. A simulation of an urban renewal project. Department of Political Science, Macalester College, St. Paul, Minnesota. Sample, \$3.00, series, \$50.00

636. "Pollution". C.Abt Associates Inc., 55 Wheeler Street, Cambridge, Mass. 02138. \$6.00. A game to teach students the social, political and economic problems.
637. "Possum Creek Valley". Southern Forest Institute, Atlanta, Georgia. Simulation game for use in the classroom to impart forestland-management concepts in relation to modern social needs.
638. "Simsoc: Simulated Society". by William A. Gamson. New York: Free Press. 1969. Instructor's Manual. Participants Manual
639. "Society Today". Psychology Today Game. \$7.95.
640. "Urban Dynamics". Loel A. Callahan II, Dwight A. Caswell, Jr., et al. Emergence and development of a metropolitan area. 1-20 players. Available from: URBANDYNE, 5659 S. Woodlawn Avenue, Chicago, Illinois 60637. \$95.00
641. "Youth Culture Game". Relationship between subculture of youth and the dominant American culture. Available from URBANDYNE, 5659 S. Woodlawn Avenue, Chicago, Illinois 60637. \$15.00

PART VI ----- MATERIALS.

D. POSTERS.

642. Poster Makers, Inc. Address: 7519 Melrose Avenue, Los Angeles, California Telephone: (213) 653-0541. Suppliers of ecology posters. Twenty-four different types, \$2.50 each.